



The Abdus Salam
International Centre for Theoretical Physics



Workshop on How to Build a Habitable Planet

followed by

Conference on Operational Modeling of Oceanographic Coastal Areas

8 - 22 July 2009

University of Cape Town, South Africa

Co-sponsored by:

ACCESS - African Centre for Climate and Earth System Science

www.Africaclimatescience.org

8-17 July

Workshop on "How to Build a Habitable Planet"

The evolution of planet Earth's glorious diversity of *flora* and *fauna* required the maintenance of favorable conditions that depended on interactions between the atmosphere, biosphere, oceans, and solid earth, and that involved a great variety of phenomena including the weather, El Niño, La Niña, the circulations of the atmosphere and oceans, the drifting of the continents, and the Ice Ages. These, along with global warming, will be the topics covered in the workshop that introduces 3rd and 4th year university students (from fields such as mathematics, physics, chemistry, geology and engineering) to earth system science. Mornings will be devoted to lectures, afternoons to computer exercises and to geologic and oceanographic field trips. (Cape Town is ideally located for the latter purpose.) The workshop, which serves to recruit students for a master's level diploma course, precedes an international conference on a topic in earth system science.

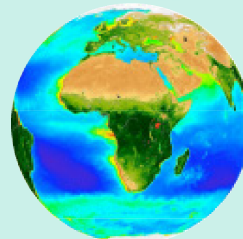
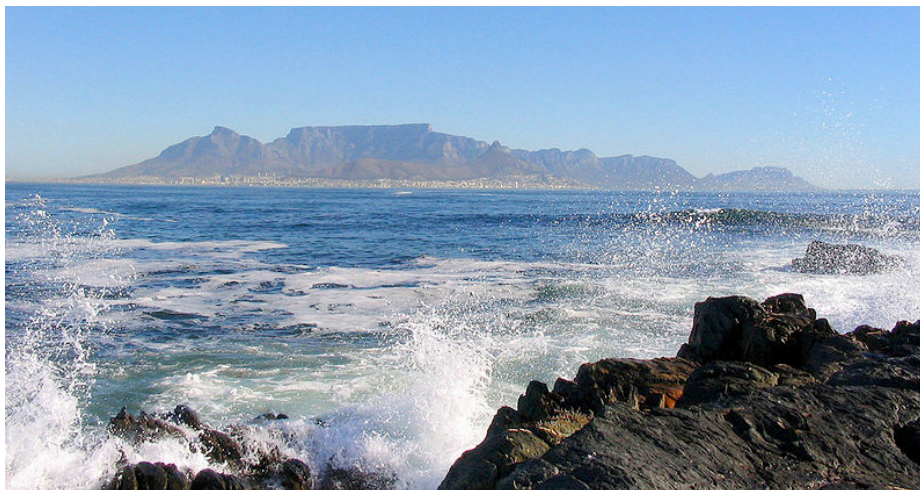
20-22 July

Conference on "Operational Modeling of Oceanographic Coastal Zones"

The demand for "real-time" information about oceanographic conditions in coastal zones is growing rapidly because of the growth in the populations of those zones, especially where fisheries, shipping, tourism etc. are important. Operational models for various coastal zones, including that of southern Africa, are under development as well as data assimilation techniques for coastal areas. This conference will assess progress in these activities, and the feasibility of a modeling and data assimilation methodology that can readily be configured for any coastal zone around the world. The Conference is intended for scientists and post-doctoral fellows in oceanography, marine biology, fisheries and related fields. Applicants are encouraged to submit abstracts of talks/posters they would like to present.

Participation

The workshop is mainly intended for university students from countries in Africa that are members of the United Nations, UNESCO or IAEA. The principal objective of the ICTP is to help researchers from developing countries through a programme of training activities within a framework of international cooperation. Participants should have an adequate working knowledge of English. Due to budget limitations, every effort should be made by candidates to secure either total or partial support for their expenses. However, limited funds are available for some participants who are nationals of, and working in, developing countries, and who are not more than 45 years old. Participants are required to take part in all aspects of this activity for its entire duration. There is no registration fee.



CONVENERS

S. BERNARD
(CSIR, SA)

YI CHAO
(JPL, Caltech, USA)

F. KUCHARSKI
(ICTP, Trieste, Italy)

G. PHILANDER
(Univ. Cape Town, SA)

N. PINARDI
(Univ. Bologna, Italy)

C. ROY
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DEADLINE 15 March 2009

Applications are to be submitted online
through the activity webpage

<http://agenda.ictp.it/smr.php?2077>

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